## **Burst Balloons** (View)

You are given n balloons, indexed from 0 to n-1. Each balloon is painted with a number on it represented by an array nums. You are asked to burst all the balloons.

```
If you burst the i^{th} balloon, you will get nums[i-1] * nums[i] * nums[i+1] coins. If i-1 or i+1 goes out of bounds of the array, then treat it as if there is a balloon with a 1 painted on it.
```

Return the maximum coins you can collect by bursting the balloons wisely.

## Example 1:

## **Example 2:**

```
Input: nums = [1,5]
Output: 10
```

## **Constraints:**

- n == nums.length
- 1 <= n <= 500
- 0 <= nums[i] <= 100